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Water Supply Outlook for Arizona
February 21, 1985

received

Surface
Water
Supply

Average to above average surface water supplies are still expected for Arizona during the 1985 water year. Streamflow forecasts are only slightly changed from February 1. Major reservoirs reported above average storage on February 15.

Precipitation
and Snow
Cover

Storms crossed the state during the first 10 days of February but precipitation was generally light. Most basins received below average precipitation from February 1-15 although some individual stations reported above average catches. The mountain snowpack generally registered an increase in water equivalent. The following table shows snow water equivalent as percent of average based on related snow courses.

Snow Water Equivalent Percent of Average	
	<u>%</u>
Salt R.	172
Verde R.	204
Little Colorado R.	150
San Francisco/Gila R.	186
Mimbres	248
Lower Colorado R (Grand Canyon)	189
Chuska Mountain	200 (approx.)

Streamflow

Updated forecasts for February-May streamflow range from 82% of average on Tonto Creek to 202% on the Gila R. at Calva. The included table of streamflow

forecasts shows the anticipated runoff on major streams. Actual streamflow observed during February 1-15, 1985, is illustrated below.

Observed Streamflow: February 1-15, 1985

<u>Stream</u>	<u>1000's Ac.Ft.</u>	<u>% of Average</u>
Salt R.	48.8	131
Tonto Creek	9.2	62
Verde R.	20.8	58
San Francisco R.-Clifton	23.6	268
Gila R.-Solomon	51.1	266

Reservoir
Storage

Major reservoirs or reservoir systems generally report above average storage for February 15. The combined storage of the six Salt River Project reservoirs was 1,860,000 acre feet at 92% capacity. San Carlos Reservoir storage was reported to be 951,000 acre feet. Lake Pleasant was 75% full with 118,000 acre feet. The total storage of the Lower Colorado River reservoirs was 47,800,000 acre feet at 89% of capacity. Lyman Lake reported 25,400 acre feet in storage at 81%. Show Low Lake is full and spilling. Near Prescott, Willow Lake is full with 6,100 acre feet and Watson Lake is 96% full with 4,500 acre feet.

All streamflow forecasts are coordinated between Soil Conservation Service and National Weather Service.

Averages are based on the 20-year period 1961-1980.

February 15, 1985

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
BASIN, STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>Salt River Basin</u>					
Salt R. nr. Roosevelt	475	115	Feb-May	149	413
"	90	108	Feb	28	83
Tonto Cr. nr. Roosevelt	63	82	Feb-May	7.8	77
"	24	86	Feb	2.7	28
<u>Verde River Basin</u>					
Verde R. abv Horseshoe	252	97	Feb-May	60	260
"	41	52	Feb	18	79
Granite Cr.	3.8	—	Feb-May	—	—
Willow Cr.	3.3	—	Feb-May	—	—
Lake Mary Inflow	9.0	—	Feb-May	—	—
<u>San Francisco/ Upper Gila R. Basin</u>					
San Francisco R. - Glenwood	71	197	Feb-May	9.7	36
San Francisco R. - Clifton	140	177	Feb-May	31	79
Gila R. - Gila	105	175	Feb-May	25	60
Gila R. - Virden	140	182	Feb-May	30	77
Gila R. - Solomon	290	175	Feb-May	64	166
"	100	189	Feb	22	53
Gila R, - Calva	250	202	Feb-May	42	124
<u>Little Colorado River Basin</u>					
Little Colorado R. - Greer	12	144	Feb-June	--	8.3
Little Colorado R. - Lyman Res.	20	154	Feb-June	5.3	13
Little Colorado R. - Woodruff	34	—	Nov-June	—	—
<u>Lower Colorado River Basin</u>					
Virgin R. nr Littlefield	64	103	Apr-June	38	62
Inflow to Lake Powell - Colorado R.	11,000	147	Apr-July	—	7460
<u>Mimbres River Basin</u>					
Mimbres R. nr Mimbres	9.0	196	Beb-May	1.5	4.6

